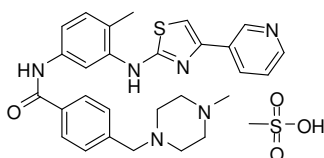




## Certificate of Analysis

**Axon Catalogue ID:** 1419 **Batch Number:** 1  
**Product Name:** AB 1010  
**Alternative Name(s):** Masitinib mesylate  
**IUPAC Name:** N-(4-Methyl-3-(4-(pyridin-3-yl)thiazol-2-ylamino)phenyl)-4-((4-methylpiperazin-1-yl)methyl)benzamide mesylate

**Structure:**



**Amount:**

**CAS number(s):** 790299-79-5 (parent), 1048007-93-7 (mesylate (1:1))  
**Molecular Formula:** C<sub>28</sub>H<sub>30</sub>N<sub>6</sub>O<sub>5</sub>.CH<sub>3</sub>SO<sub>3</sub>H **Molecular Weight:** 594.75  
**Batch Molecular Formula:** C<sub>28</sub>H<sub>30</sub>N<sub>6</sub>O<sub>5</sub>.CH<sub>3</sub>SO<sub>3</sub>H **Batch Molecular Weight:** 594.75  
**Appearance:** Yellow solid **Observed mp:** 139.5 - 140.5 °C  
**TLC (R<sub>f</sub>):** 0.3 DCM/MeOH (1:1)  
**Chemical Purity:** 99.1%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 58.56, H 5.76, N 14.13; Found: C ND, H ND, N ND  
**Storage Conditions:** Desiccate at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	59.5	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	27.5	46.2	
	EtOH			Not Tested

**Remarks:** Contains a trace amount of diethyl ether. The material is very hygroscopic.

**QC Date:** 11-05-2020

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to [info@axonmedchem.com](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**